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Smile components of dental students of Airlangga University

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***Smile components of dental students of Airlangga University***

***Gambaran komponen senyum pada mahasiswa Fakultas Kedokteran Gigi Universitas Airlangga***

**Nona Lolita Theobroma**

Mahasiswa Strata 1 Fakultas Kedokteran Gigi Universitas Airlangga, Surabaya – Indonesia

lolita.theobroma@yahoo.com

**Sianiwati Goenharto**

Staf Pengajar Departemen Ortodonti Fakultas Kedokteran Gigi Universitas Airlangga, Surabaya – Indonesia

**Ervina R Winoto**

Staf Pengajar Departemen Ortodonti Fakultas Kedokteran Gigi Universitas Airlangga, Surabaya – Indonesia

erwinoto@yahoo.com

**Abstract**

Background: Optimal facial esthetics is one of the objectives in orthodontic treatment and an important issue in modern society. To reach this result, the orthodontists need to recognize the characteristics considered normal and pleasant in dental arches and smiles. There are four smile components researched in this study to make an ideal frontal smile: smile arc, incisor display, gingival display, and buccal corridor. Purpose: The purpose of this study was to observe frontal smile description into four smile components before orthodontic treatment of the dental students of Airlangga University that were grouped according to gender. Methods: Every student was photographed in natural head position while smiling posed smile from the frontal view. Each student was photographed three times and one photo that best met the criteria was selected to avoid invalidity. The four smile components were digitally edited and measured with Adobe Photoshop 7.0. And then Chi-Square Tests and Mann-Whitney Test were conducted to compare the distributions of the four smile components between male and female students. Results: The students exhibit that most of the smile arcs were consonant, both in male and female students. On the incisor display, the most common features are average smile in both male and female students. And gingival display was mostly found in female students. The average buccal corridor that were found was extra broad in male students and broad in female students. There was significant difference in the distribution of smile arc and incisor display between male and female students. But there was no significant difference in distribution of the gingival display and buccal corridor between male and female students. Conclusion: The most common smile arc is consonant and the most frequently found incisor display is average smile, while gingival display was found only in small part of the students. Extra broad smile was largely found in male students while broad smile was frequently found in female students.

Keyword : smile, component, smile, arc, incisor, display, gingival, display, buccal, corridor,

**Abstrak**

**Daftar Pustaka :**

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